Amendments to the Specification:

Please amend the four paragraphs in the Summary of the Invention as amended in the Amendment Under Rule 111 Filed With A Request For Continued Examination filed on October 25, 2004 ("the October 24, 2004 Amendment") as follows:

A method for optimizing the maintenance of assets and production comprising:

a) acquiring at least one maintenance trigger indicative that a maintenance action is or may be required for at least one of the assets;

b) <u>in response to the acquired at least one maintenance trigger</u> defining <u>in real time</u> a maintenance schedule for the maintenance action; and

c) transmitting in response to the defined maintenance schedule a request to a system that schedules production for a period of time in a production schedule to perform said maintenance action.

A method for optimizing the maintenance of assets and production comprising:

a) acquiring at least one maintenance trigger indicative that a maintenance action is or may be required for at least one of the assets;

b) <u>in response to the acquired at least one maintenance trigger</u> requesting in <u>real time</u> ~~response to the at least one maintenance trigger~~ a period of time in a production schedule to perform the maintenance action; and

c) determining by use of a predetermined criteria related to the production and in response to the request for the period of time in the production schedule to perform the maintenance action a time for performance of the maintenance action.

A system for optimizing the maintenance of assets and production comprising:

a) a maintenance scheduling system responsive to at least one maintenance trigger indicative that a maintenance action is

or may be required for at least one of the assets to define <u>in real time</u> a maintenance schedule for the maintenance action; ~~and~~

    b)   a system for scheduling production of at least a certain quantity of a certain product; and

    c)   means responsive to the defined maintenance schedule received from maintenance scheduling system for transmitting ~~a blocking request~~ to the production scheduling system a request for a period of time in a production schedule to perform the maintenance action.

    A system for optimizing the maintenance of assets and production comprising:

    a)   a system for scheduling production of at least a certain quantity of a certain product;

    b)   a maintenance scheduling system responsive to at least one maintenance trigger indicative that a maintenance action is or may be required for at least one of the assets to generate <u>in real time</u> a request for a period of time in the production scheduling system to perform the maintenance action; and

    c)   means responsive to the request for the period of time to perform the maintenance action in the production scheduling system for determining by use of a predetermined criteria related to the production and the time to perform the maintenance action a time for performance of the maintenance action and transmitting the time for performance of the maintenance action to the production scheduling system.